: SADDLE FITTING, AFT (OUTBOARD/INBOARD)

Date: User:

Monday, 2/27/2006 4:22:11 PM

Kim Johnston

Process Sheet

Drawing Name

Part Number

Drawing Number

Project Number

Drawing Revision

Customer

: CU-DAR001 Dart Helicopters Services

Job Number

: 25998

Estimate Number P.O. Number

: 10533

:NIA

This Issue Prsht Rev.

First Issue

Previous Run

: 2/27/2006

: 25861

S.O. No. : N/A

: MACHINED PARTS

Written By Checked & Approved By

Comment

Material **Due Date** D2573 REV E : N/A

: D2573

:NIA

: 3/15/2006

Qty:

8 Um:

Each

Additional Product

Job Number:



Seq. #: 1.0 Machine Or Operation:

Description:

7075-T7351 8.25X7.75X2.5

D6101007

Comment: Qty.: 1.0000 Each(s)/Unit Total:

8.0000 Each(s)

7075-T7351 8.25X7.75X2.5

Make from D6101-007 billet for D2573 Ensure that grain is along 7.75" length

Batch No: 324893

2.0

HAAS1

HAAS CNC VERTICAL MACHINING #1



Comment: HAAS CNC VERTICAL MACHINING #1 Program Batch No. 25 98 Double check by: MS

> 1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets 2-Machine Step No 2 per Folio FA051 and inspect per attached Dimension Sheets

3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets

4-Deburr and remove all machining marks

5-Tumble to remove sharp edges.

06/03/11

3.0

MILLING CONV.

CONVENTIONAL MILLING MACHINE



Comment: CONVENTIONAL MILLING MACHINE

Machine keyway as per dwg D2573 & D2574



06/03/11

8

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHIN



Comment: INSPECT PARTS AS THEY COME OFF MACHINE



06/03/11

REFERENCE ONLY

Date: M	Monday, 2/27/2006 4:22:11 PM	
	Kim Johnston	Process Sheet
Custom	er: CU-DAR001 Dart Helicopters Services	Drawing Name: SADDLE FITTING, AFT (OUTBOARD/INBOARD)
Job Number	er: 25998	Part Number: D2573
Job Number:		
Seq. #:	Machine Or Operation:	Description :
5.0	QC8	SECOND CHECK
	ment: SECOND CHECK	SA 06.03.13 (8)
6.0	HAND FINISHING1	HAND FINISHING RESOURCE #1
Comn	ment: HAND FINISHING RESOURCE #1	FC 06 03 13 (8)
7.0	Acid etch and Alodine as per QSI 005 4.1 POWDER COATING	POWDER COATING
7.0	POWDER COATING	POWDER COATING
Comr	ment: POWDER COATING	1 ((&)
	Powder Coat White Gloss (Ref: 4.3.5.1) as p	s per QSI 005 4.3 DC 00/03/14 (8)
8.0	QC3	INSPECT POWDER COAT/CHEMICAL CONVERSION
	ment: INSPECT POWDER COAT	M 66 00 19 (8)
9.0	PACKAGING 1	PACKAGING RESOURCE #1
Comm	ment: PACKAGING RESOURCE #1	1
	Identify and Stock Location: 480	/ 4/3/16 (8)
10.0	DC	DOCUMENT CONTROL / 9/
	1 188 (4 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Comm	ment: DOCUMENT CONTROL	
	Inspection Level 21	D 00/03/16
Job Completion		u 06.03-16
	11001112 013141 1101 11001	

DART AEROSPACE LTD	Work Order:	25998
Description: Saddle, Aft Outboard	Part Number:	D2573
Inspection Dwg: D2573 Rev. E		Page 1 of 1

				Re	Recorded Actual Dimensions				
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443	DT8682	6-438	0.438	6-938	384-0		
В	1.745	1.755		1.747	1.747	1.747	1.747		
С	3.495	3.505		3,500	3.501	3.500	3.499		
D	1.745	1.755		1.747	1 -747	1-747	1,747		
E	7.990	8.010		600.8	8.003	8,002	8.009		
F	0.490	0.510		0.501	0 . 501	0.500	0.506		
G	0.257	0.262	DT8683	6.257	6.257	6.257	6.257		
Н	0.375	0.380	DT8684	0-375	0-375	0,498	0.375		
ı	0.490	0.510		0,499	०.५१८	0-498	0-497		
J	1.174	1.184		1.198	1.177	1,177	1-177		
K	0.558	0.578		0 - 569	0.568	0.569	0.569		
L	1.174	1.184		1-178	1.178	1-177	4.177		
М	1.365	1.375		1-369	1-369	1-370	1-371		
N	2.495 .	2.505		2.500	2.499	2.498	2,499		
0	4.119	4.129		4,122	4.122	4-122	4 ,121		
Р	0.115	0.135		0.188	0.127	0-129	0.130		
Q	0.115	0.135		@ 130	0.130	0-130	0.130		
R	0.240	0.260		0,249	0.248	0.247	0.246		
S	0.115	0.135		6.130	0-130	0.130	0,130		
T	0.178	0.198		0-128	6./88	9.188	0./89		
U	3.210	3.250		3-222	3-221	3.330	3-221		
V	0.230	0.250		0-234	0-239	6-239	0-239		
W	0.115	0.135		0,127	0.198	9127	0.127		
Х	0.308	0.313		6.310	6-30	6-310	6.3/0		
Υ	0.760	0.765		0.760	6766	0.760	6-760		
Z	0.352	0.372		0-362	0.367	0-361	0.362		
AA	0.470	0.530		b-5(0	0.500		C) 50x		
AB	0.615	0.635		0.629	0.638	627	0-638		
AC	0.053	0.073		0-063	0.963	6.063	0-063		
AD	0.240	0.260		0-245	0-246	0.045	0.243		
AE	1.500	1.520			1.514	1-513	1-514		
AF	0.115	0.135		0.130	0-136	6-130	0.130		
AG	0.240	0.280		0.260	0.500	0.260	0.260		
AH	0.240	0.260		0-249	0-349	876.0	0.249		
ΑI	2.000	2.020		2.005	2.000	3-000	90. C		
AJ	0.023	0.043		0.030	0.030	0.030	0.036		
	Acc	ept/Rejec	et						

Measured by: 5 6	Audited by	7	
Date: 06/03/12	Date:	06/	3/12

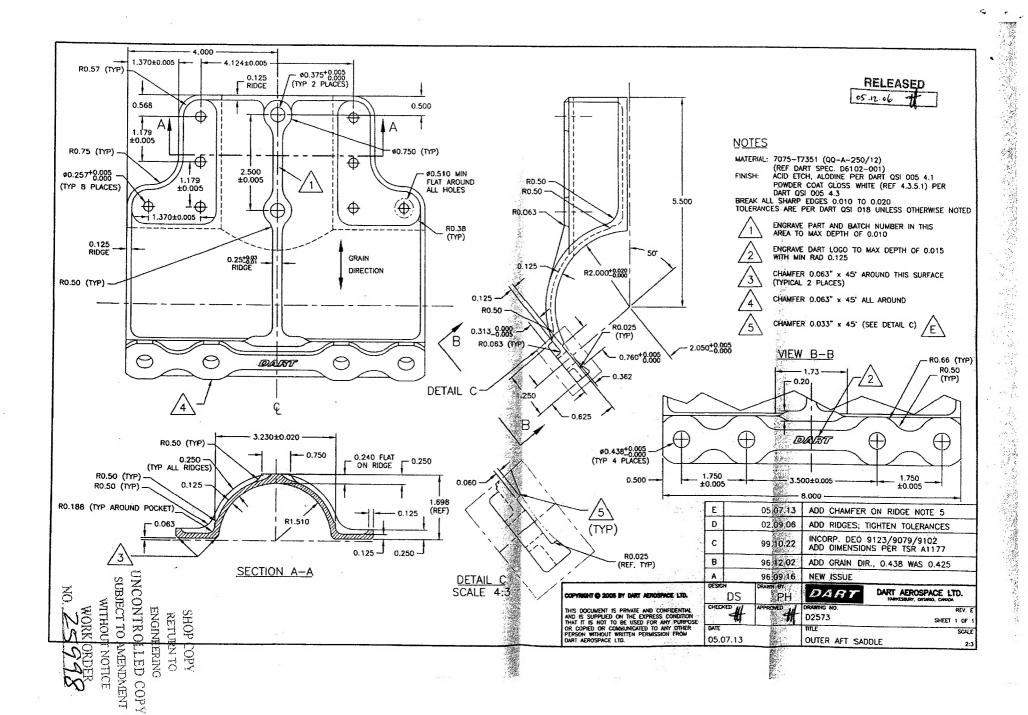
Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.26	Re-format; Added Rev. D	KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension Al	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

DART AEROSPACE LTD	Work Order:	25998
Description: Saddle, Aft Outboard	Part Number:	D2573
Inspection Dwg: D2573 Rev. E		Page 1 of 1

	4			Re	corded Acti	ual Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443	DT8682	6-438	0-438	0-438	0.439,		
В	1.745	1.755		12747	1.747	1.747	1.748		
С	3.495	3.505		3,498	3.498	3.498	3.498		
D	1.745	1.755		1-747	1 37 47	17 47	1.747		
Е	7.990	8.010		8.003	8.009	8-003	8.003		
F	0.490	0.510		6.501	0.500	0-499	0.499		
G	0.257	0.262	DT8683	6-257	6.257	0.254	0.257		
Н	0.375	0.380	DT8684	G-375	6-375	6:375	0-375		
ı	0.490	0.510		0.499	0.499	0.4998	1.178		
J	1.174	1.184		1-177	1.177	1.177	1.178		
K	0.558	0.578		0-568	0.569	0-569	0.568		
L	1.174	1.184		1.177	1.177	1-176	1,176		
М	1.365	1.375		1.371	1.371	1.378	1.371		
N	2.495	2.505		2 499	2-499	2.498	2-498		
0	4.119	4.129		4-120	4-121	4-121	4,121		
Р	0.115	0.135		0 4 20	0-191	0.122	0.122		
Q	0.115	0.135		0-130	0-130	10.130	0 136		
R	0.240	0.260		0-245	0-245	0.245	0.246		
S	0.115	0.135		0-127	0-176	0-197	0-128		
Т	0.178	0.198		0.188	0.199	0-188	0.188		
U	3.210	3.250		3.220	3-220	3.220	3.220		
V	0.230	0.250		0-244	6-241	6-342	0-244		
W	0.115	0.135		0-175	0,127	0.127	0.127		
X	0.308	0.313		6.210	0.3/0	0.3/0	0-3/6		
Υ	0.760	0.765		0.760	0.760	0.760	0.760		
Ζ	0.352	0.372		0-362	0-362	0.362	0-362		·····
AA	0.470	0.530		0-100	0-500	6-500	6.504		
AB	0.615	0.635		0-628	0-638	0-628	0-628		
AC	0.053	0.073		0-063	0.063	0.063	0.063		
AD	0.240	0.260		0.241	6.242	0-242	676.0		
AE	1.500	1.520		1-512	1.513	1-513	1-513		
AF	0.115	0.135		0-130	0-130	0-130	0.138		
AG	0.240	0.280		0260	0.260	0.260	0.260		
AH	0.240	0.260		0.250	0.250	0.349	0-249		
ΑI	2.000	2.020		8.003	2.003	2.003	2-002		
AJ	0.023	0.043		0030	0-038		0.030		
	Acc	ept/Rejec	et ·						

Measured by: 5. 6.	Audited by \(\nabla \lambda\)
	Addited by 313
Date: 06/03/13	Date: \(\sigma(\cdot\) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
Bate: 0 4 6 7 7	Date. (3.0 2.12

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.26	Re-format; Added Rev. D	KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension Al	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	



W/O:			WC	ORK ORDER CHAN	IGES		<u>.</u>	<u></u>
DATE	STEP	PF	ROCEDURE CHA	NGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		·		·			,	
-								
Part No		PAR #:	Fault Cate	gory:	NCR: Yes (N	lo) DQA:	Date:	6/03/16
				4	QA: N/	C Closed:	_ Date: _	
NCR:			WORK ORD	ER NON-CONFORI	MANCE (NCR))	•	
DATE	STEP	Description of NC			ection B	Verification	Approval	Approval
		Section A	Initial Chief Eng	Action Descriptio Chief Eng	n Sign & Date	Section C	Chief Eng	QC inspector
	Andrie Carrent and Andrie Carrent and Andreas							,
				(A)				
	1							

NOTE: Date & initial all entries

: SADDLE FITTING, AFT (OUTBOARD/INBOARD)

Date

Monday, 2/27/2006 4:22:11 PM

◆User:

Kim Johnston

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number

: 25998

Estimate Number

: 10533

P.O. Number

: 2/27/2006 This Issue

Prsht Rev. : NC

First Issue **Previous Run** : //

: 25861

S.O. No. :

: MACHINED PARTS Type

Part Number

Drawing Name

: D2573

Drawing Number

: D2573 REV E

Project Number **Drawing Revision**

: N/A ; E

Material

Due Date

: 3/15/2006

Qty:

8 Um:

Each

Written By

Checked & Approved By

Comment

: Est: 1

As Per RevE 06-01-27

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

D6101007 1.0

7075-T7351 8.25X7.75X2.5



Comment: Qty.:

1.0000 Each(s)/Unit

Total:

8.0000 Each(s) ~ ou.obil

7075-T7351 8.25X7.75X2.5 Make from D6101-007 billet for D2573

Ensure that grain is along 7.75" length

Batch No: 32/893

06/03/09

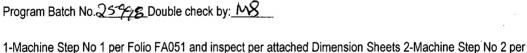
2.0

HAAS1

HAAS CNC VERTICAL MACHINING #1



Comment: HAAS CNC VERTICAL MACHINING #1



Folio FA051 and inspect per attached Dimension Sheets

3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets

4-Deburr and remove all machining marks

5-Tumble to remove sharp edges.

ム.ら

06/03/13

3.0

MILLING CONV.

CONVENTIONAL MILLING MACHINE



Comment: CONVENTIONAL MILLING MACHINE

Machine keyway as per dwg D2573 & D2574

06/03/13

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE





Comment: INSPECT PARTS AS THEY COME OFF MACHINE

06/03/13

Dart Aerospace Ltd

W/O:		The state of the s	WORK ORDER	CHANGES				
DATE	STEP	PRO	CEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			¥					
					(7)			
Part No	•	PAR #:	Fault Category:	NCR: Yes	No DQ	\ :	_ Date: _	

QA: N/C Closed: ____ Date: ___

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B	Verification		Annroyal			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspecto		
						;				
*										
							;			
							-			
 				* II						

NOTE: Date & initial all entries

Monday, 2/27/2006 4:22:11 PM Date: User: Kim Johnston **Process Sheet** Drawing Name: SADDLE FITTING, AFT (OUTBOARD/INBOARD) Customer: CU-DAR001 Dart Helicopters Services Part Number: D2573 Job Number: 25998 Job Number: Seq. #: Description: **Machine Or Operation:** SECOND CHECK 5.0 QC8 Comment: SECOND CHECK HAND FINISHING RESOURCE #1 6.0 HAND FINISHING1 Comment: HAND FINISHING RESOURCE #1 Acid etch and Alodine as per QSI 005 4.1 POWDER COATING 7.0 POWDER COATING Comment: POWDER COATING Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION 8.0 QC3 Comment: INSPECT POWDER COAT 9.0 PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 10.0 DÇ DOCUMENT CONTROL Comment: DOCUMENT CONTROL Inspection Level 21 Job Completion

Dart Ae	rospace	e Ltd								
W/O:			WC	ORK ORDER CHA	NGES		··········			
DATE	STEP	PR		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
		*								
										,
		,								
Part No):	PAR #:	Fault Cate	gory:	NC	R: Yes	No DQ	A:	Date:	
		**				QA: N	C Close	d:	_ Date: _	
NCR:			WORK ORDI	R NON-CONFOR	MANCE	(NCR)			
		Description of NC		Corrective Action	Section B	10.61	Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	on	Sign & Date		ion C	Chief Eng	QC Inspector
		,*								
										e e
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NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	25998
Description: Saddle, Aft Outboard	Part Number:	D2573
Inspection Dwg: D2573 Rev. E		Page 1 of 1

				Re	corded Actu	ual Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443	DT8682	6-439	0.438	6-638	0-438		
В	1.745	1.755							
С	3.495	3.505							
D	1.745	1.755							·····
E	7.990	8.010							
F	0.490	0.510							
G	0.257	0.262	DT8683	6.257	6.257	6-257	6.257		
Н	0.375	0.380	DT8684	0.375	0.375	6.375	0.375		
1	0.490	0.510							
J	1.174	1.184							
K	0.558	0.578							
L	1.174	1.184							
M	1.365	1.375							
N	2.495	2.505							
0	4.119	4.129							
Р	0.115	0.135							
Q	0.115	0.135		@ 120	6:130	0-130	0:131		
R	0.240	0.260		<u> </u>	3 7 0 0				
S	0.115	0.135							
T	0.178	0.198		01/23	6/88	0.188	0./89		
U	3.210	3.250				- 12			
V	0.230	0.250							
W	0.115	0.135							
X	0.308	0.313		6.310	6-3/0	6-3/6	5.3/2		
Υ	0.760	0.765		0.760	6.766	0.760			
Z	0.352	0.372			1	, 55			
ĀĀ	0.470	0.530		b°500	6.50c	6500	CD: \55×		
AB	0.615	0.635			, , , , , , , , , , , , , , , , , , ,	5,50	J-3		
AC	0.053	0.073		0-063	D. 06-3	@. O(3	0-062		
AD	0.240	0.260		0.063	652				· · · · · · · · · · · · · · · · · · ·
AE	1.500	1.520							
AF	0.115	0.135		0.130	0-134	6-130	0-130		7-1-1
AG		0.280	· · · · · · · · · · · · · · · · · · ·		0.260		0.76		
AH		0.260			<u> </u>	- 200	ا ریسی ت		
Al		2.020							
AJ	0.023	0.043	***************************************	0.02 1	0.030	0.630	0.036		
5		ept/Reje	ct	6.030	0.000	<u> </u>	- 0.50		

Measured by:	Audited by	
Date:	Date:	

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.26	Re-format; Added Rev. D	KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension Al	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

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DART AEROSPACE LTD	Work Order:	25998
Description: Saddle, Aft Outboard	Part Number:	D2573
Inspection Dwg: D2573 Rev. E		Page 1 of 1

				Re	corded Acti	ual Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443	DT8682	6.438	0-438	0-439	0-439		
В	1.745	1.755							
С	3.495	3.505							
D	1.745	1.755							
Е	7.990	8.010							
F	0.490	0.510							
G	0.257	0.262	DT8683	6257	6.257	0.257	0.257		
Н	0.375	0.380	DT8684	6-375			0.375		
	0.490	0.510							
J	1.174	1.184		,					
K	0.558	0.578							
L	1.174	1.184							
М	1.365	1.375							
N	2.495	2.505							
0	4.119	4.129							
Р	0.115	0.135							
Q	0.115	0.135		0.130	0-130	0.130	0136		
R	0.240	0.260	-						
S	0.115	0.135							
Т	0.178	0.198		0.188	0.189	0-188	0.188		
U	3.210	3.250			-				
V	0.230	0.250							
W	0.115	0.135							
X	0.308	0.313		6.310	0.3/0	0.310	0.3/0		
Y	0.760	0.765		0-760		0.760	0.760		
Z	0.352	0.372							
AA	0.470	0.530		0-100	6.500	0-500	6.500		
AB	0.615	0.635							
AC	0.053	0.073		0-063	0.063	0.063	0.063		
AD	0.240	0.260							
AE	1.500	1.520							
AF	0.115	0.135		0.130	0.130	0-130	0.138		
AG	0.240	0.280		0760	0.260	0.260	0.260		
АН	0.240	0.260							
Al	2.000	2.020							
AJ	0.023	0.043		0-30	0-038	0-030	0-030		
	Acc	ept/Reje	ct						

		· · · · · · · · · · · · · · · · · · ·
Measured by:	Audited by	
Date:	Date:	

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.26	Re-format; Added Rev. D	KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

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d A									
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		T.							
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